

## Notice

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**FUNCTION**

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**NUMERICAL INDEX**

## FUNCTION NUMERICAL INDEX

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**F-0000** Function unknown, not assigned, or not applicable

**F-0001** Functional disorder not identified

# FUNCTION - NUMERICAL

## SECTION 0: DEVELOPMENTAL AND AGE STATES

### 01 - PREGNANCY AND POSTPARTUM STATE

- 0101 Pregnancy, NOS
- 0102 Pregnancy, first trimester
- 0103 Pregnancy, second trimester
- 0104 Pregnancy, third trimester
- 0105 Postpartum state  
Puerperium

### 02 - PERINATAL STATE

- 0200 Perinatal state
- 0201 Prenatal state  
Antepartum state
- 0202 Natal state  
Birth, NOS  
Intrapartum state
- 0203 Neonatal state  
Newborn state

### 03 - AGE PERIODS

- 0301 Infancy
- 0302 Childhood
- 0303 Adolescence  
Youth
- 0304 Adulthood  
Maturity
- 0305 Old age  
Geriatric state  
Senescence
- 0306 Senility

### 04 - SEXUAL DEVELOPMENT

- 0401 Prepuberal state
- 0402 Puberty, NOS
- 0403 Virginal state
- 0404 Fertility
- 0405 Virility
- 0406 Climacteric, NOS
- 0407 Menopause, NOS
- 0408 Postmenopausal state

## SECTION I: DISORDERS OF ELEMENTS, IONS, SIMPLE COMPOUNDS AND CERTAIN METALLOPROTEINS

(The second and third digits of the code numbers in this section correspond to the atomic numbers of the elements. For example, 1110, is sodium disorder since its atomic number is 11 and 1150 is phosphorus disorder since its atomic number is 15.)

	<b>100 - Disorders of Elements and Ions</b>	
<b>1001</b>	Disorder of element	<b>1073</b> Ammonia increase Hyperammonemia (T-0X)
<b>1002</b>	Disorder of ion Electrolyte imbalance	<b>1074</b> Ammonia decrease
		<b>1075</b> Urea increase Uremia (T-0X)
		<b>1076</b> Urea decrease
	<b>101 - Hydrogen Disorders</b>	<b>1077</b> Non-protein nitrogen compound increase Azotemia (T-0X)
<b>1010</b>	Hydrogen disorder	<b>1078</b> Non-protein nitrogen compound decrease
<b>1011</b>	Hydrogen ion alteration pH alteration	
<b>1012</b>	Hydrogen ion increase Acidosis, NOS	
<b>1013</b>	Hydrogen ion decrease Alkalosis, NOS	
	<b>106 - Carbon Disorders</b>	<b>108 - Oxygen Disorders</b>
<b>1060</b>	Carbon disorder	<b>1080</b> Oxygen disorder
<b>1061</b>	Carbon dioxide increase Hypercapnia	<b>1081</b> Oxygen increase
<b>1062</b>	Carbon dioxide decrease Hypocapnia	<b>1082</b> Oxygen decrease Hypoxemia (T-0X) Anoxia, NOS
<b>1063</b>	Carbon dioxide pressure increase Respiratory acidosis pCO <sub>2</sub> increase Carbon dioxide narcosis	<b>1083</b> Oxygen pressure alteration pO <sub>2</sub> alteration
<b>1064</b>	Carbon dioxide pressure decrease Respiratory alkalosis pCO <sub>2</sub> decrease	<b>1084</b> Oxygen pressure increase pO <sub>2</sub> increase Oxygen poisoning
<b>1065</b>	Bicarbonate disorder	<b>1085</b> Oxygen pressure decrease pO <sub>2</sub> decrease Altitude anoxia
<b>1066</b>	Bicarbonate increase Metabolic alkalosis	Hypoxic anoxia Altitude sickness
<b>1067</b>	Bicarbonate decrease Metabolic acidosis	<b>1086</b> Water increase Hydremia (T-0X) Water intoxication
		<b>1087</b> Water decrease Dehydration
	<b>107 - Nitrogen Disorders</b>	<b>111 - Sodium Disorders</b>
<b>1070</b>	Nitrogen disorder	<b>1110</b> Sodium disorder
<b>1071</b>	Nitrogen pressure increase Nitrogen narcosis	<b>1111</b> Sodium ion disorder
<b>1072</b>	Nitrogen pressure decrease Bends Caisson disease Decompression sickness	<b>1112</b> Sodium ion increase Hypernatremia (T-0X)
		<b>1113</b> Sodium ion decrease Hyponatremia (T-0X)

	<b>112 - Magnesium Disorders</b>		<b>1205</b> Calcium ion decrease
<b>1120</b>	Magnesium disorder		<b>126 - Iron Disorders</b>
<b>1121</b>	Magnesium increase		<b>1260</b> Iron disorder
<b>1122</b>	Magnesium decrease		<b>1261</b> Iron increase
	<b>115 - Phosphorus Disorders</b>		<b>1262</b> Iron decrease
<b>1150</b>	Phosphorus disorder		<b>129 - Copper Disorders</b>
<b>1151</b>	Phosphate disorder		<b>1290</b> Copper disorder
<b>1152</b>	Phosphate increase		<b>1291</b> Copper increase
	Hyperphosphatemia (T-0X)		Hypercupremia (T-0X)
	Hyperphosphaturia (T-7X)		Hypercupruria (T-7X)
<b>1153</b>	Phosphate decrease		<b>1292</b> Copper decrease
	Hypophosphatemia (T-0X)		<b>1293</b> Ceruloplasmin disorder
	Hypophosphaturia (T-7X)		
	<b>116 - Sulfur Disorders</b>		<b>130 - Zinc Disorders</b>
<b>1160</b>	Sulfur disorder		<b>1300</b> Zinc disorder
<b>1161</b>	Sulfate disorder		<b>1301</b> Zinc increase
	<b>117 - Chlorine Disorders</b>		<b>1302</b> Zinc decrease
<b>1170</b>	Chlorine disorder		<b>138 - Strontium Disorders</b>
<b>1171</b>	Chloride increase		<b>1380</b> Strontium disorder
	Hyperchlöremia (T-0X)		<b>1381</b> Strontium increase
<b>1172</b>	Chloride decrease		<b>1382</b> Strontium decrease
	Hypochloremia (T-0X)		
<b>1173</b>	Hydrochloric acid increase		<b>153 - Iodine Disorders</b>
	Hyperchlorhydria (T-6X)		<b>1530</b> Iodine disorder
<b>1174</b>	Hydrochloric acid decrease		<b>1531</b> Iodine increase
	Achlorhydria (T-6X)		<b>1532</b> Iodine decrease
	Hypochlorhydria (T-6X)		<b>1533</b> Protein-bound iodine disorder Butanol extractable iodine disorder
	<b>119 - Potassium Disorders</b>		<b>1534</b> Protein-bound iodine increase Butanol extractable iodine increase
<b>1190</b>	Potassium disorder		<b>1535</b> Protein-bound iodine decrease Butanol extractable iodine decrease
<b>1191</b>	Potassium increase		
	Hyperkalemia (T-0X)		
	Hyperkaluria (T-7X)		
<b>1192</b>	Potassium decrease		
	Hypokalemia (T-0X)		
	Hypokaluria (T-7X)		
	<b>120 - Calcium Disorders</b>		
<b>1200</b>	Calcium disorder		
<b>1201</b>	Calcium increase		
	Hypercalcemia (T-0X)		
	Hypercalciuria (T-7X)		
<b>1202</b>	Calcium decrease		
	Hypocalcemia (T-0X)		
	Hypocalciuria (T-7X)		
<b>1203</b>	Calcium ion disorder		
<b>1204</b>	Calcium ion increase		

## SECTION 2: METABOLIC AND NUTRITIONAL DISORDERS

**21 - PROTEIN DISORDER**

- 2100** Protein disorder  
Dysproteinemia (T-0X)  
**2101** Protein increase  
Hyperproteinemia (T-0X)  
Proteinuria, NOS (T-7X)  
**2102** Protein decrease  
Hypoproteinemia (T-0X)

**211 - Albumin Disorders**

- 2110** Albumin disorder  
**2111** Albumin increase  
Hyperalbuminemia (T-0X)  
Albuminuria, NOS (T-7X)  
**2112** March albuminuria (T-7X)  
**2113** Orthostatic albuminuria (T-7X)  
**2114** Albumin decrease  
Hypoalbuminemia (T-0X)  
**2115** Double albuminemia (T-0X)

**212 - Fibrinogen Disorders**

- 2120** Fibrinogen disorder  
**2121** Fibrinogen increase  
Hyperfibrinogenemia (T-0X)  
**2122** Fibrinogen decrease  
Hypofibrinogenemia (T-0X)  
Fibrinogenopenia (T-0X)

**213 - Globulin Disorders**

- 2130** Globulin disorder  
**2131** Globulin increase  
Hyperglobulinemia (T-0X)  
**2132** Globulin decrease  
Hypoglobulinemia (T-0X)  
**2133** Cryoglobulinemia (T-0X)  
**2134** Macroglobulinemia, NOS  
**2135** Waldenstrom's macroglobulinemia

**214 - Alpha-globulin Disorders**

- 2140** Alpha-globulin disorder  
**2141** Alpha-globulin increase  
Hyperalphaglobulinemia (T-0X)  
**2142** Alpha-globulin decrease  
Hypoalphaglobulinemia (T-0X)

**215 - Beta-globulin Disorders**

- 2150** Beta-globulin disorder, NOS  
**2151** Beta-globulin increase  
Hyperbetaglobulinemia (T-0X)  
**2152** Beta-globulin decrease  
Hypobetaglobulinemia (T-0X)

**216 - Gamma-globulin Disorders**

- 2160** Gamma-globulin disorder  
Dysgammaglobulinemia (T-0X)  
**2161** Gamma-globulin increase  
Hypergammaglobulinemia (T-0X)  
**2162** Gamma-globulin decrease  
Hypogammaglobulinemia (T-0X)  
Agammaglobulinemia (T-0X)

**219 - Miscellaneous Protein Disorders**

- 2190** Bence-Jones protein disorder  
**2191** Bence-Jones protein increase  
Bence-Jones proteinuria (T-7X)  
**2192** Albumin-globulin ratio, reversed

**22 - ORGANIC ACID DISORDER**

- 2201** Hyperoxaluria, primary (T-7X)  
**2202** Oxalosis

**221 - Amino Acid Disorders**

- 2210** Amino acid disorder  
**2211** Amino acid increase  
Aminoaciduria (T-7X)  
**2212** Amino acid decrease  
**2213** Maple syrup urine disease  
**2214** Hartnup disease  
**2215** Argininosuccinic aciduria (T-7X)  
**2216** Citrullinuria (T-7X)

**222 - Cystine Disorders**

- 2220** Cystine disorder  
**2221** Cystine increase  
Cystinosis  
Cystinuria (T-7X)  
**2222** Cystine decrease

**223 - Histidine Disorders**

- 2230** Histidine disorder  
**2231** Histidine increase  
Histidinuria (T-7X)

<b>2232</b>	Histidine decrease	<b>2331</b>	Lactose increase Lactosuria (T-7X)
	<b>224 - Tyrosine Disorders</b>	<b>2332</b>	Lactose decrease
<b>2240</b>	Tyrosine disorder		<b>234 - Mannoheptulose Disorders</b>
<b>2241</b>	Tyrosine increase Tyrosinosis Tyrosinuria (T-7X)	<b>2340</b>	Mannoheptulose disorder
<b>2242</b>	Tyrosine decrease	<b>2341</b>	Mannoheptulose increase Mannoheptulosuria (T-7X)
	<b>225 - Homogentisic Acid Disorders</b>	<b>2342</b>	Mannoheptulose decrease
<b>2250</b>	Homogentisic acid disorder		<b>235 - Pentose Disorders</b>
<b>2251</b>	Homogentisic acid increase Alkaptonuria (T-7X) Ochronosis	<b>2350</b>	Pentose disorder
<b>2252</b>	Homogentisic acid decrease	<b>2351</b>	Pentose increase Essential pentosuria (T-7X)
	<b>226 - Phenylalanine Disorders</b>	<b>2352</b>	Pentose decrease
<b>2260</b>	Phenylalanine disorder		<b>236 - Galactose Disorders</b>
<b>2261</b>	Phenylpyruvic oligophrenia Phenylketonuria (T-7X)	<b>2360</b>	Galactose disorder
	<b>23 - CARBOHYDRATE DISORDER</b>	<b>2361</b>	Galactose increase Galactosemia (T-0X) Galactosuria (T-7X)
<b>2300</b>	Carbohydrate disorder	<b>2362</b>	Galactose decrease
<b>2301</b>	Carbohydrate increase Melituria, NOS (T-7X)		<b>237 - Glycogen Disorders</b>
<b>2302</b>	Carbohydrate decrease	<b>2370</b>	Glycogen disorder
	<b>231 - Glucose Disorders</b>	<b>2371</b>	Glycogen increase Glycogen deposition disorder Glycogenosis, NOS
<b>2310</b>	Glucose disorder	<b>2372</b>	Glycogen decrease
<b>2311</b>	Glucose increase Hyperglycemia (T-0X) Glycosuria, NOS (T-7X) Glycosuric melituria, NOS (T-7X)	<b>2373</b>	Glucose-6-phosphatase deficiency hepato-renal glycogenosis von Gierke's disease Cori type I disease
<b>2312</b>	Glucose decrease Hypoglycemia (T-0X)	<b>2374</b>	Idiopathic generalized glycogenesis Pompe's disease Cori type II disease
<b>2313</b>	Renal glycosuria (T-7X) Non-diabetic glycosuric melituria (T-7X)	<b>2375</b>	Debrancher deficiency limit dextrinosis Forbes's disease Cori type III disease
	<b>232 - Fructose Disorders</b>	<b>2376</b>	Brancher deficiency amylopectinosis Andersen's disease Cori type IV disease
<b>2320</b>	Fructose disorder	<b>2377</b>	Myophosphorylase deficiency glycogenosis McArdle-Schmid-Pearson disease Cori type V disease
<b>2321</b>	Fructose increase Fructosuria (T-7X)	<b>2378</b>	Hepatophosphorylase deficiency glycogenosis Hers's disease Cori type VI disease
<b>2322</b>	Fructose decrease		
	<b>233 - Lactose Disorders</b>		
<b>2330</b>	Lactose disorder		

	<b>24 - LIPID DISORDER</b>	
<b>2400</b>	Lipid disorder Fat disorder	<b>2453</b> Gangliosidosis Infantile amaurotic familial idiocy Tay-Sachs disease
<b>2401</b>	Lipid increase Hyperlipemia, NOS (T-0X) Hyperlipidemia (T-0X)	<b>246 - Cerebroside Disorders</b>
<b>2402</b>	Lipid decrease	<b>2460</b> Cerebroside disorder
<b>2403</b>	Essential hyperlipemia (T-0X)	<b>2461</b> Cerebroside increase
<b>2405</b>	Ketone increase Ketosis Ketonuria (T-7X)	<b>2462</b> Cerebroside decrease
<b>2407</b>	Acetone increase Acetonuria (T-7X)	<b>2463</b> Cerebrosidosis Cerebroside lipidosis
	<b>241 - Cholesterol Disorders</b>	
<b>2410</b>	Cholesterol disorder	<b>2470</b> Ceroid disorder
<b>2411</b>	Cholesterol increase Hypercholesterolemia, NOS (T-0X)	<b>2471</b> Ceroid increase
<b>2412</b>	Cholesterol decrease Hypocholesterolemia (T-0X)	<b>2472</b> Ceroid storage disease
<b>2413</b>	Essential hypercholesterolemia (T-0X)	
<b>2414</b>	Cholesterol ester disorder	<b>25 - DISORDER OF HEMOGLOBIN, HEMOGLOBIN PRECURSORS AND DERIVATIVES</b>
<b>2415</b>	Cholesterol ester increase	
<b>2416</b>	Cholesterol ester decrease	<b>250 - Hemoglobin Disorders</b>
	<b>242 - Lipoprotein Disorders</b>	
<b>2420</b>	Lipoprotein disorder	<b>2500</b> Hemoglobin disorder, NOS Hemoglobinopathy, NOS
<b>2421</b>	Lipoprotein increase Lipoproteinemia (T-0X)	<b>2501</b> Hemoglobin increase Hemoglobinemia (T-0X) Hemoglobinuria, NOS (T-7X)
<b>2422</b>	Lipoprotein decrease	<b>2502</b> Hemoglobin decrease
<b>2423</b>	Tangier disease	<b>2503</b> March hemoglobinuria (T-7X)
	<b>243 - Phospholipid Disorders</b>	<b>2504</b> Paroxysmal cold hemoglobinuria (T-7X)
<b>2430</b>	Phospholipid disorder	<b>2505</b> Carboxyhemoglobin increase Carboxyhemoglobinemia (T-0X) Carboxyhemoglobinuria (T-7X)
<b>2431</b>	Phospholipid increase	<b>2506</b> Sulfhemoglobin increase Sulfhemoglobinemia (T-0X) Sulfhemoglobinuria (T-7X)
<b>2432</b>	Phospholipid decrease	<b>2507</b> Methemoglobin increase Methemoglobinemia, NOS (T-0X) Methemoglobinuria (T-7X)
	<b>244 - Sphingomyelin Disorders</b>	<b>2508</b> Methemoglobinemia, hereditary enzymatic type (T-0X)
<b>2440</b>	Sphingomyelin disorder	<b>2509</b> Methemalbumin disorder Methemalbuminemia (T-0X) Methemalbuminuria (T-7X)
<b>2441</b>	Sphingomyelin increase Sphingomyelinosis	
<b>2442</b>	Sphingomyelin decrease	<b>251 - Hemoglobin Disorders, Homozygous Type</b>
	<b>245 - Ganglioside Disorders</b>	
<b>2450</b>	Ganglioside disorder	<b>2510</b> Hemoglobin disorder, homozygous type Hemoglobinopathy, homozygous
<b>2451</b>	Ganglioside increase	
<b>2452</b>	Ganglioside decrease	

- 2511** Hemoglobin C disease  
**2512** Hemoglobin D disease  
**2513** Hemoglobin E disease  
**2514** Hemoglobin G disease  
**2515** Hemoglobin H disease  
**2516** Hemoglobin J disease  
**2517** Hemoglobin S disease  
 Sickle cell disease  
 Sickle cell anemia
- 252 - Hemoglobin Disorders, Heterozygous Type**
- 2520** Hemoglobin disorder, heterozygous type  
 Hemoglobinopathy, heterozygous  
 Sickle cell trait
- 2521** Hemoglobin C trait  
**2522** Hemoglobin D trait  
**2523** Hemoglobin E trait  
**2524** Hemoglobin F trait  
**2525** Hemoglobin G trait  
**2526** Hemoglobin I trait  
**2527** Hemoglobin J trait  
**2528** Hemoglobin K trait  
**2529** Hemoglobin S trait
- 253 - Hemoglobin Disorders, Mixed**
- 2530** Hemoglobin disorder, mixed  
 Mixed hemoglobinopathy
- 2531** Hemoglobin S-C disease  
**2532** Hemoglobin S-D disease  
**2533** Hemoglobin S-E disease  
**2534** Hemoglobin S-G disease
- 254 - Thalassemias**
- 2540** Thalassemia, NOS (T-0X)  
**2541** Thalassemia, homozygous (T-0X)  
 Thalassemia major (T-0X)  
 Thalassemia disease, NOS (T-0X)  
**2542** Thalassemia, heterozygous (T-0X)  
 Thalassemia minor (T-0X)  
 Thalassemia trait (T-0X)  
**2543** Thalassemia, mixed (T-0X)  
**2544** Hemoglobin S-F disease  
 Thalassemia-hemoglobin S  
 disease (T-0X)  
 Sickle-cell-thalassemia (T-0X)  
**2545** Hemoglobin C-A disease  
 Thalassemia-hemoglobin C  
 disease (T-0X)
- 2546** Hemoglobin E-F disease  
 Thalassemia-hemoglobin E  
 disease (T-0X)  
**2547** Hemoglobin G-F disease  
 Thalassemia-hemoglobin G  
 disease (T-0X)  
**2548** Hemoglobin H-A disease  
 Thalassemia-hemoglobin H  
 disease (T-0X)
- 255 - Porphyrin Disorders**
- 2550** Porphyrin disorder  
**2551** Porphyrin increase  
 Porphyrinuria (T-7X)  
 Porphyria, NOS  
 Erythrodontia (T-54)  
**2552** Porphyrin decrease  
**2553** Uroporphyrin increase  
 Uroporphyrinia  
 Uroporphyrinuria (T-7X)  
**2554** Coproporphyrin increase  
 Coproporphyrinuria (T-7X)  
**2555** Protoporphyrin increase  
 Protoporphyrinuria (T-7X)  
**2556** Erythropoietic porphyria  
 Congenital porphyria  
 Photosensitive porphyria  
**2557** Hepatic porphyria  
 Acute intermittent porphyria  
 Pyrrolia  
 Latent porphyria  
 Porphyria cutanea tarda  
 Protocoproporphyrinia
- 256 - Biliverdin Disorders**
- 2560** Biliverdin disorder  
**2561** Biliverdin increase
- 257 - Bilirubin Disorders**
- 2570** Bilirubin disorder  
**2571** Bilirubin increase  
 Bilirubinemia, NOS (T-0X)  
 Cholemia (T-0X)  
 Hyperbilirubinemia, NOS (T-0X)  
 Bilirubinuria (T-7X)  
 Hyperbilirubinuria, NOS (T-7X)  
**2572** Hemolytic jaundice  
**2573** Obstructive jaundice  
 Obstructive hyperbilirubinuria (T-7X)  
**2574** Hepatocellular jaundice  
**2575** Bilirubin decrease  
 Acholic stool (T-6Y)  
 Acholuria (T-7X)

**FUNCTION - NUMERICAL (continued)**

<b>2576</b>	Congenital familial nonhemolytic jaundice Crigler-Najjer syndrome	<b>2650</b>	Orotic acid disorder
<b>2577</b>	Hyperbilirubinemia, constitutional Gilbert's syndrome Familial nonhemolytic jaundice Hereditary nonhemolytic bilirubinemia (T-0X)	<b>2651</b>	Orotic acid increase Oroticaciduria (T-7X)
<b>2578</b>	Dubin-Johnson syndrome Sprinz-Nelson syndrome Rotor syndrome	<b>2660</b>	beta-Aminoisobutyric acid disorder
<b>2579</b>	Israels's familial jaundice Israels's shunt hyperbilirubinemia (T-0X)	<b>2661</b>	beta-Aminoisobutyric acid increase beta-Aminoisobutyricaciduria (T-7X)
<b>258 - Urobilinogen Disorders</b>			
<b>2580</b>	Urobilinogen disorder	<b>2700</b>	Vitamin disorder, NOS
<b>2581</b>	Urobilinogen increase Hyperurobilinogenemia (T-0X) Urobilinogenuria (T-7X)	<b>2701</b>	Vitamin increase, NOS Hypervitaminosis, NOS
<b>2582</b>	Urobilinogen decrease	<b>2702</b>	Vitamin decrease, NOS Vitamin deficiency, NOS Avitaminosis, NOS
<b>259 - Urobilin Disorders</b>			
<b>2590</b>	Urobilin disorder	<b>271</b>	<b>- Vitamin A Disorders</b>
<b>2591</b>	Urobilin increase	<b>2710</b>	Vitamin A disorder
<b>2592</b>	Urobilin decrease	<b>2711</b>	Vitamin A increase Hypervitaminosis A
<b>26 - PURINE AND PYRIMIDINE DISORDER</b>			
<b>261 - Purine Disorders</b>			
<b>2610</b>	Purine disorder	<b>2712</b>	Vitamin A decrease Hypovitaminosis A
<b>262 - Uric Acid Disorders</b>			
<b>2620</b>	Uric acid disorder	<b>2713</b>	Carotene disorder
<b>2621</b>	Uric acid increase Hyperuricemia (T-0X) Hyperuricuria (T-7X)	<b>2714</b>	Carotene increase Carotenemia (T-0X)
<b>2622</b>	Uric acid decrease	<b>2715</b>	Carotene decrease
<b>2623</b>	Gout	<b>272, 273</b>	<b>- Vitamin B Disorders</b>
<b>263 - Xanthine Disorders</b>			
<b>2630</b>	Xanthine disorder	<b>2720</b>	Vitamin B disorder
<b>2631</b>	Xanthine increase Xanthinuria (T-7X)	<b>2721</b>	Vitamin B increase
<b>264 - Pyrimidine Disorders</b>			
<b>2640</b>	Pyrimidine disorder	<b>2722</b>	Vitamin B decrease
		<b>2723</b>	Vitamin B <sub>1</sub> deficiency Thiamine deficiency
		<b>2724</b>	Beriberi
		<b>2725</b>	Vitamin B <sub>2</sub> deficiency Riboflavin deficiency Ariboflavinosis Vitamin G deficiency
		<b>2726</b>	Vitamin B <sub>6</sub> deficiency Pyridoxine deficiency
		<b>2727</b>	Vitamin B <sub>9</sub> deficiency Adenylic acid deficiency

**FUNCTION - NUMERICAL (continued)**

- 2728 Vitamin B<sub>12</sub> deficiency  
    Cyanocobalamin deficiency
- 2729 Vitamin B<sub>14</sub> deficiency
- 2730 Vitamin B<sub>c</sub> deficiency  
    Folic acid deficiency  
    Vitamin M deficiency
- 2731 Vitamin H deficiency  
    Biotin deficiency
- 2732 Vitamin H<sub>1</sub> deficiency
- 2733 Niacin deficiency  
    P.P. factor deficiency  
    Nicotinic acid deficiency
- 2734 Pellagra
- 2735 Pantothenic acid deficiency
- 2736 Choline deficiency
- 274 - Vitamin C Disorders**
- 2740 Vitamin C disorder  
    Ascorbic acid disorder
- 2741 Vitamin C increase
- 2742 Vitamin C decrease  
    Ascorbic acid deficiency
- 2743 Scurvy
- 275 - Vitamin D Disorders**
- 2750 Vitamin D disorder
- 2751 Vitamin D increase  
    Vitamin D intoxication
- 2752 Vitamin D decrease  
    Hypovitaminosis D  
    Vitamin D deficiency  
    Avitaminosis D
- 2753 Vitamin D<sub>1</sub> disorder
- 2754 Vitamin D<sub>2</sub> disorder
- 2755 Vitamin D<sub>3</sub> disorder
- 2756 Vitamin D<sub>4</sub> disorder
- 2757 Rickets
- 276 - Vitamin E Disorders**
- 2760 Vitamin E disorder
- 2761 Vitamin E increase
- 2762 Vitamin E decrease  
    Alpha-tocopherol deficiency
- 277 - Vitamin K Disorders**
- 2770 Vitamin K disorder
- 2771 Vitamin K increase
- 2772 Vitamin K decrease  
    Vitamin K deficiency

- 2773 Vitamin K<sub>1a</sub> disorder
- 2774 Vitamin K<sub>2a</sub> disorder

**29 - MISCELLANEOUS METABOLIC AND NUTRITIONAL DISORDERS**

- 2900 Increased metabolism
- 2901 Increased basal metabolism
- 2902 Decreased metabolism
- 2903 Decreased basal metabolism
- 2911 Malnutrition  
    Undernutrition
- 2912 Overnutrition
- 2913 Excessive weight gain
- 2914 Excessive weight loss
- 2915 Lycopene disorder
- 2916 Lycopene increase  
    Lycopenemia (T-0X)
- 2921 Kwashiorkor
- 2922 Fanconi's syndrome
- 2923 Sprue, NOS
- 2924 Sprue, tropical
- 2925 Sprue, nontropical  
    Celiac disease, adult type
- 2926 Celiac disease, NOS
- 2930 Malabsorption
- 2931 Malabsorption syndrome
- 2932 Steatorrhea
- 2941 Gargoylism, NOS  
    Hurler's syndrome  
    Lipochondrodystrophy

## SECTION 3: ENZYME DISORDERS

<b>3000</b>	Enzyme disorder	<b>3132</b>	3-Hydroxyisobutyrate dehydrogenase disorder
<b>31, 32 - OXIDOREDUCTASE DISORDER</b>			
<b>3100</b>	Oxidoreductase disorder	<b>3133</b>	Mevaldate reductase disorder
	Dehydrogenase disorder	<b>3134</b>	Hydroxymethylglutaryl-coenzyme A reductase disorder
	Reductase disorder	<b>3135</b>	3-Hydroxyacyl-coenzyme A dehydrogenase disorder
	Transhydrogenase disorder	<b>3136</b>	Acetoacetyl-coenzyme A reductase disorder
	Oxidase disorder	<b>3137</b>	Malate dehydrogenase disorder
	Oxygenase disorder	<b>3138</b>	Malate dehydrogenase (decarboxylating) disorder Malic enzyme disorder
<b>3101</b>	Alcohol dehydrogenase disorder	<b>3141</b>	Isocitrate dehydrogenase disorder
<b>3102</b>	Homoserine dehydrogenase disorder	<b>3142</b>	Phosphogluconate dehydrogenase disorder
<b>3103</b>	Butyleneglycol dehydrogenase disorder	<b>3143</b>	Phosphogluconate dehydrogenase (decarboxylating) disorder
<b>3104</b>	Acetoin dehydrogenase disorder	<b>3144</b>	L-Gulonate dehydrogenase (decarboxylating) disorder
<b>3105</b>	Glycerol dehydrogenase disorder	<b>3145</b>	L-Arabinose dehydrogenase disorder
<b>3106</b>	Propanediolphosphate dehydrogenase disorder	<b>3146</b>	Glucose dehydrogenase disorder
<b>3107</b>	Glycerolphosphate dehydrogenase disorder	<b>3147</b>	Galactose dehydrogenase disorder
<b>3108</b>	d-Xylulose reductase disorder	<b>3148</b>	Glucose-6-phosphate dehydrogenase disorder
<b>3109</b>	L-Xylulose reductase disorder	<b>3151</b>	3-alpha-Hydroxysteroid dehydrogenase disorder
<b>3111</b>	d-Arabitol dehydrogenase disorder	<b>3152</b>	beta-Hydroxysteroid dehydrogenase disorder
<b>3112</b>	L-Arabitol dehydrogenase disorder	<b>3153</b>	alpha-Hydroxycholanate dehydrogenase disorder
<b>3113</b>	L-Iditol dehydrogenase disorder	<b>3154</b>	Cortisone reductase disorder
<b>3114</b>	d-Iditol dehydrogenase disorder	<b>3162</b>	Mannitol dehydrogenase disorder
<b>3115</b>	Galactitol dehydrogenase disorder	<b>3163</b>	Lactate dehydrogenase isoenzyme disorder
<b>3116</b>	Mannitol-1-phosphate dehydrogenase disorder	<b>3164</b>	d-2-Hydroxyacid dehydrogenase disorder
<b>3117</b>	Inositol dehydrogenase disorder	<b>3171</b>	Glycollate oxidase disorder
<b>3118</b>	Glucuronate reductase disorder	<b>3172</b>	Lactate oxidase disorder
<b>3119</b>	Glucuronolactone reductase disorder	<b>3173</b>	Malate oxidase disorder
<b>3121</b>	Aldose reductase disorder	<b>3174</b>	Glucose oxidase disorder
<b>3122</b>	Uridine diphosphoglucose dehydrogenase disorder	<b>3175</b>	Hexose oxidase disorder
<b>3123</b>	Histidinol dehydrogenase disorder	<b>3176</b>	Cholesterol oxidase disorder
<b>3124</b>	Quinate dehydrogenase disorder	<b>3181</b>	Choline dehydrogenase disorder
<b>3125</b>	Shikimate dehydrogenase disorder		
<b>3126</b>	Glyoxylate reductase disorder		
<b>3127</b>	Lactate dehydrogenase disorder		
	Lactic dehydrogenase disorder		
<b>3128</b>	d-Lactate dehydrogenase disorder		
<b>3129</b>	Glycerate dehydrogenase disorder		
<b>3131</b>	3-Hydroxybutyrate dehydrogenase disorder		

3182	2-Hydroxyglutarate dehydrogenase disorder	3225	Hydroxymethyltetrahydrofolate dehydrogenase disorder
3183	Gluconate dehydrogenase disorder	3226	Sarcosine oxidase disorder
3184	Oxogluconate dehydrogenase disorder	3227	N-Methyl-aminoacid oxidase disorder
3191	Formaldehyde dehydrogenase disorder	3231	Nicotinamide-adenine dinucleotide phosphate transhydrogenase disorder
3192	Formate dehydrogenase disorder	3232	Reduced nicotinamide-adenine dinucleotide cytochrome c reductase disorder
3193	Aldehyde dehydrogenase disorder	3233	Reduced nicotinamide-adenine dinucleotide cytochrome b5 reductase disorder
3194	Benzaldehyde dehydrogenase disorder	3234	Reduced nicotinamide-adenine dinucleotide phosphate cytochrome c reductase disorder
3195	Betaine aldehyde dehydrogenase disorder	3235	Cystine reductase disorder
3196	Glyceraldehydepsphosphate dehydrogenase disorder Triosephosphate dehydrogenase disorder	3236	Glutathione reductase disorder
3197	Inosine monophosphate dehydrogenase disorder	3237	Lipoamide dehydrogenase disorder
3201	Pyruvate dehydrogenase disorder	3241	Quinone reductase disorder
3202	Aldehyde oxidase disorder	3242	Menadione reductase disorder
3203	Xanthine oxidase disorder	3243	Ubiquinone reductase disorder
3204	Oxoglutarate dehydrogenase disorder	3244	Oxidized ascorbate reductase disorder
3205	Uracil dehydrogenase disorder	3251	Azobenzene reductase disorder
3206	Dihydro-uracil dehydrogenase disorder	3252	Urate oxidase disorder
3207	Butyryl-coenzyme A dehydrogenase disorder	3253	Cysteamine dehydrogenase disorder
3208	Acyl-coenzyme A dehydrogenase disorder	3254	Sulfite reductase disorder
3209	Galactonolactone dehydrogenase disorder	3255	Sulfite oxidase disorder
3211	Succinate dehydrogenase disorder	3256	Glutathione-homocystine transhydrogenase disorder
3212	Alanine dehydrogenase disorder	3257	Nitrate ester reductase disorder
3213	Glutamate dehydrogenase disorder	3258	Cytochrome oxidase disorder
3214	d-Aspartate oxidase disorder	3261	Catechol oxidase disorder
3215	L-Aminoacid oxidase disorder	3262	p-Diphenol oxidase disorder
3216	d-Aminoacid oxidase disorder	3269	Hydroperoxidase disorder
3217	Monoamine oxidase disorder	3270	Peroxidase disorder
3218	Pyridoxamine oxidase disorder	3271	Tryptophan peroxidase disorder
3219	Diamine oxidase disorder Histaminase disorder	3272	Cytochrome peroxidase disorder
3221	Pyrroline-2-carboxylate reductase disorder	3273	Catalase disorder
3222	Pyrroline-5-carboxylate reductase disorder	3274	Iodinase disorder
3223	Tetrahydrofolate dehydrogenase disorder	3280	Hydroxylase disorder
3224	Dihydrofolate dehydrogenase disorder	3281	Aryl 4-hydroxylase disorder
		3282	Phenylalanine 4-hydroxylase disorder
		3283	Nicotinate 6-hydroxylase disorder
		3284	Tryptophan 5-hydroxylase disorder

**FUNCTION - NUMERICAL (continued)**

3285	Kynurenine 3-hydroxylase disorder	3323	Transcarboxylase disorder
3286	Steroid 11-alpha-hydroxylase disorder		Transcarbamoylase disorder
3287	Steroid 11-beta-hydroxylase disorder		Carboxyltransferase disorder
3288	Steroid 6-beta-hydroxylase disorder		Carbamoyltransferase disorder
3289	Steroid 17-alpha-hydroxylase disorder	3325	Aspartate carbamoyltransferase disorder
3291	Steroid 19-hydroxylase disorder	3326	Ornithine carbamoyltransferase disorder
3292	Steroid 21-hydroxylase disorder		Ornithine transcarbamylase disorder
3293	Alkoxyaryl hydroxylase disorder	3327	Transketolase disorder
3294	Squalene cyclohydroxylase disorder		Glycolaldehydetransferase disorder
3295	p-Hydroxyphenylpyruvate hydroxylase disorder	3328	Transaldolase disorder
3296	Protocatechuate oxygenase disorder		Dihydroxyacetone transferase disorder
3297	Gentisate oxygenase disorder	3330	Acyltransferase disorder
3298	Homogentisate oxygenase disorder		Transacylase disorder
3299	Myo-inositol oxygenase disorder	3331	Aminodeoxyglucose acetyltransferase disorder
		3332	Aminodeoxyglucosephosphate acetyltransferase disorder
		3333	Arylamine acetyltransferase disorder
		3334	Choline acetyltransferase disorder
		3335	Carnitine acetyltransferase disorder
		3336	Acetyl-coenzyme A acetyltransferase disorder
			Acetoacetyl-coenzyme A thiolase disorder
3300	Transferase disorder	3337	Hydrogen sulfide acetyltransferase disorder
3310	Transmethylase disorder	3338	Thioethanolamine acetyltransferase disorder
	Methyltransferase disorder		Thioltransacetylase B disorder
3311	Nicotinamide methyltransferase disorder	3339	Lipoate acetyltransferase disorder
3312	Guanidinoacetate methyltransferase disorder		Thioltransacetylase A disorder
3313	Dimethylthetin homocysteine methyltransferase disorder	3341	Glycine acyltransferase disorder
3314	Acetylserotonin methyltransferase disorder	3342	Glutamine phenylacetyltransferase disorder
3315	Betaine homocysteine methyltransferase disorder	3343	Glycerolphosphate acyltransferase disorder
3316	Transhydroxymethylase disorder	3344	Acetyl-coenzyme A acyltransferase disorder
	Transformylase disorder		3-Ketoacyl-coenzyme A thiolase disorder
	Transformiminase disorder	3350	Glycosyltransferase disorder
3317	Serine hydroxymethyltransferase disorder		Transglycosylase disorder
3318	Phosphoribosyl-glycineamide formyltransferase disorder	3351	Hexosyltransferase disorder
3319	Phosphoribosyl-aminoimidazole-carboxamide formyltransferase disorder	3352	alpha-Glucan phosphorylase disorder
3321	Glycine formiminotransferase disorder		Glucosan transglucosylase disorder
3322	Glutamate formiminotransferase disorder	3353	Maltose-4-glucosyltransferase disorder
			Amylomaltase disorder

**33, 34 - TRANSFERASE DISORDER**

3300	Transferase disorder	3336	Acetyl-coenzyme A acetyltransferase disorder
3310	Transmethylase disorder		Acetoacetyl-coenzyme A thiolase disorder
	Methyltransferase disorder	3337	Hydrogen sulfide acetyltransferase disorder
3311	Nicotinamide methyltransferase disorder	3338	Thioethanolamine acetyltransferase disorder
3312	Guanidinoacetate methyltransferase disorder		Thioltransacetylase B disorder
3313	Dimethylthetin homocysteine methyltransferase disorder	3339	Lipoate acetyltransferase disorder
3314	Acetylserotonin methyltransferase disorder		Thioltransacetylase A disorder
3315	Betaine homocysteine methyltransferase disorder	3341	Glycine acyltransferase disorder
3316	Transhydroxymethylase disorder	3342	Glutamine phenylacetyltransferase disorder
	Transformylase disorder	3343	Glycerolphosphate acyltransferase disorder
	Transformiminase disorder	3344	Acetyl-coenzyme A acyltransferase disorder
3317	Serine hydroxymethyltransferase disorder		3-Ketoacyl-coenzyme A thiolase disorder
3318	Phosphoribosyl-glycineamide formyltransferase disorder	3350	Glycosyltransferase disorder
3319	Phosphoribosyl-aminoimidazole-carboxamide formyltransferase disorder		Transglycosylase disorder
3321	Glycine formiminotransferase disorder	3351	Hexosyltransferase disorder
3322	Glutamate formiminotransferase disorder	3352	alpha-Glucan phosphorylase disorder
			Glucosan transglucosylase disorder
		3353	Maltose-4-glucosyltransferase disorder
			Amylomaltase disorder

3354	Uridine diphosphoglucose-alpha-glucan glucosyltransferase disorder alpha-Glucan-uridine diphosphoglucosyltransferase disorder	3382	Alanine aminotransferase disorder Glutamic-pyruvic transaminase disorder Alanine-glutamate transaminase disorder
3355	Uridine diphosphoglucuronyltransferase disorder	3383	Cysteine aminotransferase disorder
3356	alpha-Glucan-branching glycosyltransferase disorder	3384	Tyrosine aminotransferase disorder
3357	Pentosyltransferase disorder	3385	Leucine aminotransferase disorder
3358	Purine nucleoside phosphorylase disorder	3386	Kynurenine aminotransferase disorder
3359	Adenosine phosphorylase disorder	3387	Diaminoacid aminotransferase disorder
3361	Uridine phosphorylase disorder	3388	Alanine-ketoacid aminotransferase disorder
3362	Thymidine phosphorylase disorder	3389	Ornithine-ketoacid aminotransferase disorder
3363	Adenine phosphoribosyltransferase disorder Adenosine monophosphate pyrophosphorylase disorder	3391	Asparagine-ketoacid aminotransferase disorder
3364	Hypoxanthine phosphoribosyltransferase disorder Inosine monophosphate pyrophosphorylase disorder	3392	Glutamine-ketoacid aminotransferase disorder
3365	Uracil phosphoribosyltransferase disorder Uridine monophosphate pyrophosphorylase disorder	3393	Glutamine-fructose-6-phosphate aminotransferase disorder Hexosephosphate aminotransferase disorder
3366	Orotate phosphoribosyltransferase disorder Orotidine-5'-phosphate pyrophosphorylase disorder	3394	Transamidinase disorder Amidinotransferase disorder
3367	Nicotinate phosphoribosyltransferase disorder	3395	Glycine amidinotransferase disorder
3368	Nicotinamide phosphoribosyltransferase disorder Nicotinamide mononucleotide pyrophosphorylase disorder	3396	Oximinotransferase disorder Transoximinase disorder
3369	Methionine adenosyltransferase disorder	3400	Phosphotransferase disorder Phosphokinase disorder
3371	Amidophosphoribosyltransferase disorder Phosphoribosylpyrophosphate amidotransferase disorder	3401	Hexokinase disorder
3372	Dimethylallyltransferase disorder Prenyltransferase disorder Farnesyl-pyrophosphate synthetase disorder	3402	Glucokinase disorder
3373	Thiaminase I disorder	3403	Ketohexokinase disorder
3380	Transaminase disorder Aminotransferase disorder	3404	Fructokinase disorder
3381	Aspartate aminotransferase disorder Glutamic-oxaloacetic transaminase disorder	3405	Rhamnulokinase disorder
		3406	Galactokinase disorder
		3407	Mannokinase disorder
		3408	Aminodeoxyglucose kinase disorder
		3409	Phosphoglucokinase disorder
		3411	Phosphofructokinase disorder
		3412	Gluconokinase disorder
		3413	Ketogluconokinase disorder
		3414	Sedoheptulokinase disorder
		3415	Ribokinase disorder
		3416	Ribulokinase disorder
		3417	Xylulokinase disorder
		3418	Phosphoribokinase disorder
		3419	Adenosine kinase disorder

3421	Ribosylnicotinamide kinase disorder	3461	Nucleotidyl transferase disorder
3422	Nicotinamide-adenine dinucleotide kinase disorder	3462	Nicotinamide mononucleotide adenylyltransferase disorder
3423	Dephospho-coenzyme A kinase disorder		Nicotinamide-adenine dinucleotide pyrophosphorylase disorder
3424	Adenylylsulfate kinase disorder	3463	Flavin mononucleotide adenylyltransferase disorder
3425	Riboflavin kinase disorder		Flavin-adenine dinucleotide pyrophosphorylase disorder
3426	Erythritol kinase disorder	3464	Pantetheinephosphate adenylyltransferase disorder
3427	Tricokinase disorder		Dephospho-coenzyme A pyrophosphorylase disorder
3428	Acetol kinase disorder	3465	Sulfate adenylyltransferase disorder
3429	Glycerol kinase disorder	3466	RNA nucleotidyltransferase disorder
3431	Glycerate kinase disorder	3467	DNA nucleotidyltransferase disorder
3432	Choline kinase disorder	3468	Polynucleotide nucleotidyltransferase disorder
3433	Pantetheine kinase disorder		Polynucleotide phosphorylase disorder
3434	Pyridoxal kinase disorder	3469	Uridylyltransferase disorder
3435	Mevalonate kinase disorder	3470	Glucose-1-phosphate uridylyltransferase disorder
3436	Protein kinase disorder		Uridine diphosphoglucose pyrophosphorylase disorder
3437	Phosphorylase kinase disorder	3471	Galactose-1-phosphate uridylyltransferase disorder
3438	Homoserine kinase disorder	3472	Hexose-1-phosphate uridylyltransferase disorder
3439	Pyruvate kinase disorder Pyruvate phosphokinase disorder	3473	Ethanolaminephosphate cytidylyltransferase disorder
3441	Glucose-1-phosphate phosphodismutase disorder	3474	Cholinephosphate cytidylyltransferase disorder
3443	Carbamate kinase disorder	3475	Ribonuclease disorder
3444	Phosphoglycerate kinase disorder	3476	Ethanolaminephotransferase disorder
3445	Aspartate kinase disorder	3477	Cholinephotransferase disorder
3446	Guanidinoacetate kinase disorder	3481	Sulfurtransferase disorder
3447	Creatine kinase disorder	3482	Thiosulfate sulfurtransferase disorder
3448	Phosphomevalonate kinase disorder	3483	3-Mercaptopyruvate sulfurtransferase disorder
3449	Adenylate kinase disorder	3484	Sulfotransferase disorder
3451	Nucleosidemonophosphate kinase disorder	3485	Aryl sulfotransferase disorder
3452	Nucleosidediphosphate kinase disorder	3486	3-beta-Hydroxysteroid sulfotransferase disorder
3453	Phosphoglucomutase disorder Glucose phosphomutase disorder	3491	Coenzyme A-transferase disorder
3454	Acetylaminodeoxyglucose phosphomutase disorder	3492	Oxalate coenzyme A-transferase disorder
3455	Phosphoglyceromutase disorder Glycerate phosphomutase disorder		
3456	Diphosphoglyceromutase disorder		
3457	Pyrophotransferase disorder Pyrophosphokinase disorder		
3458	Ribosephosphate pyrophosphokinase disorder		
3459	Thiamine pyrophosphokinase disorder		

3493	Malonate coenzyme A-transferase disorder	3538	Acetoacetylglutathione hydrolase disorder
3494	Butyrate coenzyme A-transferase disorder	3539	Acetoacetylhydrolipoate hydrolase disorder
3495	3-Ketoacid coenzyme A-transferase disorder	3540	Phosphoric monoester hydrolase disorder Phosphatase disorder
3496	3-Oxo-adipate coenzyme A-transferase disorder	3541	Alkaline phosphatase disorder
		3542	Acid phosphatase disorder
		3543	Phosphoserine phosphatase disorder
		3544	Phosphatidate phosphatase disorder
3500	Hydrolase disorder	3545	5-Nucleotidase disorder
3510	Carboxylesterase disorder Carboxylic ester hydrolase disorder Esterase disorder	3546	3-Nucleotidase disorder
3511	Arylesterase disorder Phenolic esterase disorder	3547	Phosphoadenylyl 3-nucleotidase disorder
3512	Lipase disorder	3548	Glucose-6-phosphatase disorder
3513	Phospholipase A disorder	3549	Glucose-1-phosphatase disorder
3514	Lysophospholipase disorder Phospholipase B disorder	3551	Hexosediphosphatase disorder
3515	Acetylestearase disorder	3552	Diphosphoglycerate phosphatase disorder
3516	Acetylcholinesterase disorder	3553	Phosphoprotein phosphatase disorder
3517	Cholinesterase disorder Pseudocholinesterase disorder	3554	Phosphorylase phosphatase disorder PR-enzyme disorder
3518	Benzoylcholinesterase disorder	3560	Phosphoric diester hydrolase disorder
3519	Tropinesterase disorder	3561	Phosphodiesterase disorder
3521	Pectinesterase disorder	3562	Glycerophosphorylcholine diesterase disorder
3522	Vitamin A esterase disorder	3563	Phospholipase C disorder
3523	Cholesterol esterase disorder	3564	Phospholipase D disorder
3524	Chlorophyllase disorder	3565	Deoxyribonuclease disorder
3525	Gluconolactonase disorder	3566	Deoxyribonuclease II disorder
3526	Aldonolactonase disorder	3570	Triphosphoric monoester hydrolase disorder
3527	Uronolactonase disorder	3571	Sulfuric ester hydrolase disorder Sulfuric esterase disorder
3528	Tannase disorder	3572	Arylsulfatase disorder
3530	Thiolester hydrolase disorder	3573	Glycosulfatase disorder
3531	Acetyl-coenzyme A hydrolase disorder	3574	Chondrosulfatase disorder
3532	Palmitoyl-coenzyme A hydrolase disorder	3575	Myrosulfatase disorder
3533	Succinyl-coenzyme A hydrolase disorder	3580	Glycoside hydrolase disorder Glycosidase disorder
3534	3-Hydroxyisobutyryl-coenzyme A hydrolase disorder		Amylase disorder
3535	Hydroxymethylglutaryl-coenzyme A hydrolase disorder		Ptyalin disorder
3536	Hydroxyacylglutathione hydrolase disorder Glyoxalase II disorder	3581	alpha-Amylase disorder
3537	Glutathione thiolesterase disorder	3582	beta-Amylase disorder

FUNCTION - NUMERICAL (continued)

3583	Glucoamylase disorder	3623	Dipeptide hydrolase disorder Dipeptidase disorder
3584	Cellulase disorder	3624	Glycyl-glycine dipeptidase dis- order
3585	Lichenase disorder	3625	Glycyl-leucine dipeptidase dis- order
3586	Laminarinase disorder	3626	Aminoacyl-histidine dipeptidase disorder Carnosinase disorder
3587	Xylanase disorder	3627	Cysteinyl-glycine dipeptidase disorder
3588	Amylo-1,6-glucosidase disorder	3628	Iminodipeptidase disorder
3589	Oligo-1,6-glucosidase disorder Limit dextrinase disorder	3629	Imidodipeptidase disorder Prolidase disorder
3591	Dextranase disorder	3630	Peptidase disorder Cathepsin disorder Protease disorder
3592	Polygalacturonase disorder	3631	Peptide peptidohydrolase disorder
3593	Muramidase disorder Lysozyme disorder	3632	Pepsin disorder
3594	Neuraminidase disorder	3633	Pepsin B disorder Parapepsin disorder Uropepsin disorder
3595	Heparinase disorder	3634	Rennin disorder
3596	alpha-Glucosidase disorder	3635	Trypsin disorder
3597	beta-Glucosidase disorder	3636	Chymotrypsin disorder
3598	alpha-Galactosidase disorder	3637	Chymotrypsin B disorder
3599	beta-Galactosidase disorder	3638	Pancreatopeptidase E disorder Elastase disorder
3601	alpha-Mannosidase disorder	3639	Enteropeptidase disorder Enterokinase disorder
3602	beta-Fructofuranosidase disorder	3641	Cathepsin C disorder
3603	alpha-1,3-Glucosidase disorder	3642	Thrombin disorder
3604	Trehalase disorder	3643	Plasmin disorder Fibrinolysin disorder
3605	beta-Acetylaminodeoxyglucosidase disorder	3644	Renin disorder
3606	beta-Glucuronidase disorder	3645	Insulinase disorder
3607	Nucleosidase disorder	3651	Asparaginase disorder
3608	Inosinase disorder	3652	Glutaminase disorder
3609	Adenosine monophosphate nucleo- sidase disorder	3653	omega-Amidase disorder
3611	Nicotinamide-adenine dinucleotide nucleosidase disorder	3654	Amidase disorder
3612	Nicotinamide-adenine dinucleotide phosphate nucleosidase dis- order	3655	Urease disorder
3613	Thioether hydrolase disorder Thiolesterase disorder	3656	3-Ureidopropionase disorder
3614	Adenosylhomocysteinase disorder	3657	Formamidase disorder
3615	Peptide hydrolase disorder	3658	Formyltetrahydrofolate deformy- lase disorder
3616	alpha-Aminopeptide aminoacido- hydrolase disorder	3659	Biotinidase disorder
3617	Leucine aminopeptidase disorder	3661	Dihydropyrimidinase disorder
3618	Aminopeptidase disorder	3662	Dihydro-orotate disorder
3619	Aminotripeptidase disorder	3663	Allantoinase disorder
3620	alpha-Carboxypeptide aminoacido- hydrolase disorder		
3621	Carboxypeptidase A disorder		
3622	Carboxypeptidase B disorder Protaminase disorder		

3664	Arginase disorder	3715	Phosphoribosyl-aminoimidazole carboxylase disorder
3665	Allantoicase disorder	3716	Histidine decarboxylase disorder
3666	Arginine deiminase disorder	3717	Tyrosine decarboxylase disorder
3667	Adenine deaminase disorder	3718	3,4-Dihydroxy-L-phenylalanine decarboxylase disorder
3668	Guanine deaminase disorder	3721	Hydroxytryptophan decarboxylase disorder
3669	Adenosine deaminase disorder	3722	Cysteinesulfinate decarboxylase disorder
3671	Cytidine deaminase disorder	3723	Pantothenoylcysteine decarboxylase disorder
3672	Adenosine monophosphate deaminase disorder	3724	Phosphopyruvate carboxylase disorder
3673	Adenosinediphosphate deaminase disorder	3725	Pyrophosphomevalonate decarboxylase disorder
3674	Methenyltetrahydrofolate cyclohydrolase disorder	3730	Aldolase disorder
3675	Inosine monophosphate cyclohydrolase disorder	3731	Oxohydroxybutyrate aldolase disorder
3676	Inorganic pyrophosphatase disorder Pyrophosphorylase disorder	3732	Ketotetrosealdolase disorder
3677	Trimetaphosphatase disorder	3733	Pentosealdolase disorder
3678	Adenosine triphosphatase disorder, calcium activated ATPase disorder, calcium activated	3734	Threonine aldolase disorder
3679	Adenosine triphosphatase disorder, magnesium activated ATPase disorder, magnesium activated	3735	Allothreonine aldolase disorder
3681	Nucleoside diphosphatase disorder	3741	Phosphoketolase disorder
3682	Acylphosphatase disorder	3742	Isocitrate lyase disorder
3683	Adenosine triphosphate pyrophosphohydrolase disorder ATP pyrophosphohydrolase disorder	3743	N-Acetylneuraminate lyase disorder
3684	Nucleotide pyrophosphatase disorder	3744	Hydroxymethylglutaryl-coenzyme A lyase disorder
3685	Fumarylacetooacetase disorder	3745	Hydroxymethylglutaryl-coenzyme A synthase disorder
3686	Alkylhalidase disorder	3746	Citrate synthase disorder Citrate condensing enzyme disorder
3687	Di-isopropylfluoro-phosphatase disorder	3750	Dehydratase disorder Hydratase disorder
3688	Phosphoamidase disorder	3751	Carbonate dehydratase disorder Carbonic anhydrase disorder
<b>37 - LYASE DISORDER</b>			
3700	Lyase disorder	3752	Fumarate hydratase disorder Fumarase disorder
3710	Decarboxylase disorder	3753	Aconitate hydratase disorder Aconitase disorder
3711	Pyruvate decarboxylase disorder	3754	Phosphopyruvate hydratase disorder Enolase disorder
3712	Malonyl-coenzyme A decarboxylase disorder	3755	L-Serine dehydratase disorder Serine deaminase disorder
3713	Aminomalonate decarboxylase disorder	3756	Homoserine dehydratase disorder
3714	Glutamate decarboxylase disorder	3757	Threonine dehydratase disorder
		3758	Enoyl-coenzyme A hydratase disorder Crotonase disorder

3759	Methylglutaconyl-coenzyme A hydratase disorder	3825	Glucosephosphate isomerase disorder
3761	Cystathione synthase disorder	3826	Aminodeoxyglucosephosphate isomerase disorder
3762	Cysteine synthase disorder	3827	Acetylaminodeoxyglucosephosphate isomerase disorder
3763	Porphobilinogen synthase disorder Aminolevulinate dehydratase disorder	3828	Phenylpyruvate tautomerase disorder
3764	Hyaluronate lyase disorder Hyaluronidase disorder	3829	Steroid delta-isomerase disorder
3771	Histidine ammonia-lyase disorder Histidine alpha-deaminase disorder	3831	Isopentenylpyrophosphate isomerase disorder
3772	Formiminotetrahydrofolate cyclo-deaminase disorder	3832	Lysolecithin acylmutase disorder
3773	Argininosuccinate lyase disorder Argininosuccinase disorder	3833	Phosphoglycerate phosphomutase disorder
3774	Adenylosuccinate lyase disorder Adenylosuccinase disorder	3834	Methylaspartate mutase disorder
3781	Cysteine desulfhydrase disorder	3835	Methylmalonyl-coenzyme A mutase disorder
3782	Homocysteine desulfhydrase disorder		
3783	Lactoyl-glutathione lyase disorder Glyoxalase I disorder		

**38 - ISOMERASE DISORDER**

3800	Isomerase disorder
3810	Racemase disorder Epimerase disorder
3811	Lysine racemase disorder
3812	Lactate racemase disorder
3813	3-Hydroxybutyryl-coenzyme A epimerase disorder
3814	Ribulose phosphate epimerase disorder
3815	Uridine diphosphate glucose epimerase disorder
3816	Aldose 1-epimerase disorder Aldose mutarotase disorder
3817	Maleylacetooacetate isomerase disorder
3818	Retinene isomerase disorder
3821	Triosephosphate isomerase disorder
3822	Erythrose isomerase disorder
3823	Ribosephosphate isomerase disorder
3824	Mannosephosphate isomerase disorder

**39 - SYNTHETASE DISORDER**

3900	Synthetase disorder Ligase disorder
3910	Tyrosyl-RNA synthetase disorder
3911	Tryptophanyl-RNA synthetase disorder
3912	Threonyl-RNA synthetase disorder
3913	Leucyl-RNA synthetase disorder
3914	Isoleucyl-RNA synthetase disorder
3915	Lysyl-RNA synthetase disorder
3916	Alanyl-RNA synthetase disorder
3917	Valyl-RNA synthetase disorder
3918	Methionyl-RNA synthetase disorder
3919	Seryl-RNA synthetase disorder
3921	Acetyl-coenzyme A synthetase disorder
3922	Acyl-coenzyme A synthetase disorder
3923	Succinyl-coenzyme A synthetase disorder
3924	Glutaryl-coenzyme A synthetase disorder
3925	Choloyl-coenzyme A synthetase disorder
3930	Amide synthetase disorder
3931	Glutamine synthetase disorder
3932	Phosphoribosyl-glycineamide synthetase disorder

FUNCTION - NUMERICAL (continued)

- 3940 Peptide synthetase disorder
- 3941 gamma-Glutamyl-cysteine synthetase disorder
- 3942 Glutathione synthetase disorder
- 3943 Phosphopantothenoylcysteine synthetase disorder
- 3944 Phosphoribosyl-aminoimidazole-succinocarboxamide synthetase disorder
- 3951 Phosphoribosyl-aminoimidazole synthetase disorder
- 3952 Formyltetrahydrofolate synthetase disorder
- 3953 Argininosuccinate synthetase disorder
- 3961 Nicotinamide-adenine dinucleotide synthetase disorder  
DPN synthetase disorder
- 3962 Glucose monophosphate synthetase disorder
- 3963 Phosphoribosyl-formylglycineamine synthetase disorder
- 3971 Pyruvate carboxylase disorder
- 3972 Acetyl-coenzyme A carboxylase disorder
- 3973 Propionyl-coenzyme A carboxylase disorder
- 3974 Methylcrotonoyl-coenzyme A carboxylase disorder